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Pulpwood Production in the Lake States, 1990

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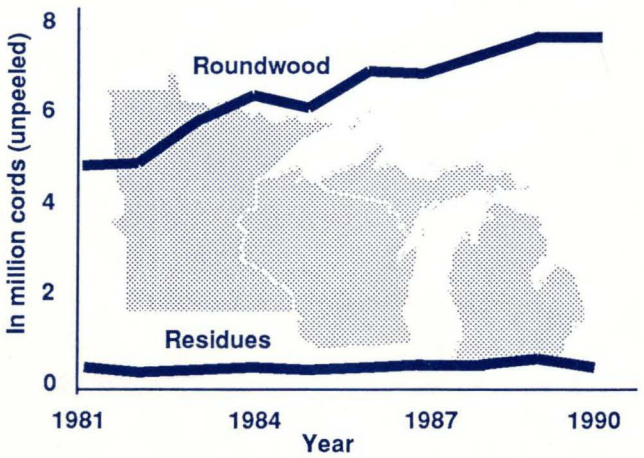
ABSTRACT.—Pulpwood production in the Lake States dropped slightly to 8.4 million cords in 1990. Michigan, Minnesota, and Wisconsin pulpwood production is shown by county and species group.

KEY WORDS: Roundwood, residue, Minnesota, Michigan, Wisconsin.

Pulpwood production[2] in the Lake States—Michigan, Minnesota, and Wisconsin—dropped slightly to 8.42 million cords in 1990 from 8.54 million cords in 1989. Wisconsin produced 3.08 million cords, Michigan produced 2.98 million cords, and Minnesota produced 2.36 million cords.



Ninety-three percent of the pulpwood harvested came from roundwood (including chips from roundwood); the remainder came from mill residue such as slabs, edgings, veneer cores, and chips from these materials. Production from softwood and hardwood residue by State was:

State	Softwood	Hardwood
	(Hundred standard cords, unpeeled)	
Michigan	835	1,816
Minnesota	271	560
Wisconsin	478	1,655

Major species harvested were aspen (3.9 million cords), pine (1.1 million cords), maple (974 thousand cords), birch (582 thousand cords), and other hardwoods (407 thousand cords).

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[2] Includes logs, bolts, and wood residue used in manufacturing particleboard, wafterboard, oriented strand board, and medium density fiberboard.

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Whole tree chip (WTC) production in the Lake States was 518 thousand cords, 18 percent less than in 1989 and 6 percent of total pulpwood output in 1990. Michigan was the major WTC producer with 414 thousand cords, followed by Minnesota with 76 thousand cords and Wisconsin with 28 thousand cords.

Counties harvesting more than 130 thousand cords each were Delta, Menominee, Dickinson, Iron, Marquette, and Ontonagon in Michigan; Koochiching, St. Louis, Beltrami, Cass, and Itasca in Minnesota; and Marinette, Oneida, Vilas, Bayfield, Douglas, Price, and Sawyer in Wisconsin. These 18 counties contributed 47 percent of the pulpwood production from roundwood in the Lake States in 1990.

Table 1.--Lake States pulpwood production from roundwood by county and species, 1990
(In hundred standard cords, unpeeled)

MINNESOTA

Unit 1/ and county	All species	Pine	Spruce	Balsam fir	Hem-lock	Tam-arack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
ASPEN-BIRCH												
Carlton	526	23	19	126	–	X	–	250	52	–	25	31
Cook	520	1	193	78	–	–	–	248	–	–	–	X
Koochiching	2,840	88	574	296	–	17	13	1,739	X	–	–	113
Lake	1,161	79	172	110	–	2	–	683	106	–	X	9
St. Louis	5,096	386	409	558	–	8	25	3,398	50	–	63	199
Total	10,143	577	1,367	1,168	–	27	38	6,318	208	–	88	352
NORTHERN PINE												
Aitkin	961	5	14	53	–	X	–	778	X	–	36	75
Becker	538	4	1	11	–	–	–	520	–	–	–	2
Beltrami	1,639	96	77	124	–	13	–	1,325	–	–	–	4
Cass	1,709	88	15	73	–	X	–	1,524	–	–	–	9
Clearwater	766	7	23	21	–	1	–	712	–	–	–	2
Crow Wing	584	39	2	7	–	X	–	533	–	–	–	3
Hubbard	491	57	3	5	–	–	–	411	3	–	–	12
Itasca	3,801	81	194	488	–	1	6	2,957	7	–	37	30
Lake of the Woods	517	194	91	21	–	X	–	208	–	–	–	3
Mahnomen	74	–	–	–	–	–	–	74	–	–	–	–
Roseau	262	154	6	1	–	1	–	98	–	–	–	2
Wadena	182	36	–	1	–	–	–	144	–	–	–	1
Total	11,524	761	426	805	–	16	6	9,284	10	–	73	143
CENTRAL HARDWOOD												
Kanabec	32	–	–	–	–	–	–	32	–	–	–	–
Mille Lacs	329	1	–	–	–	–	–	328	–	–	–	X
Morrison	50	1	–	–	–	–	–	49	–	–	–	X
Pine	625	16	3	1	–	–	–	522	9	–	36	38
Sherburne	19	19	X	–	–	–	–	–	–	–	–	–
Todd	8	1	–	–	–	–	–	7	–	–	–	–
Total	1,063	38	3	1	–	–	–	938	9	–	36	38
PRAIRIE												
Lincoln	X	X	–	–	–	–	–	–	–	–	–	–
Pennington	5	–	–	–	–	–	–	5	–	–	–	–
Polk	21	–	–	–	–	–	–	21	–	–	–	–
Red Lake	14	–	–	–	–	–	–	14	–	–	–	–
Total	40	X	–	–	–	–	–	40	–	–	–	–
STATE TOTAL	22,770	1,376	1,796	1,974	–	43	44	16,580	227	–	197	533

(Table 1 continued on next page)

(Table 1 continued)

MICHIGAN

Unit 1/ and county	All species	Pine	Spruce	Balsam fir	Hem-lock	Tam-arack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
E. UPPER PENINSULA												
Alger	849	92	12	43	44	8	3	166	91	16	250	124
Chippewa	883	168	27	50	46	4	4	328	48	5	122	81
Delta	2,248	319	110	161	78	13	13	666	257	17	369	245
Luce	341	94	13	37	25	3	3	66	21	2	42	35
Mackinac	853	56	32	40	24	3	3	313	106	6	160	110
Menominee	1,301	114	63	86	44	11	6	449	208	13	200	107
Schoolcraft	997	147	30	97	46	8	8	214	89	13	221	124
Total	7,472	990	287	514	307	50	40	2,202	820	72	1,364	826
W. UPPER PENINSULA												
Baraga	632	36	4	14	19	1	1	197	86	14	197	63
Dickinson	1,687	230	71	137	70	12	10	806	65	10	178	98
Gogebic	1,063	55	47	21	4	1	X	358	99	31	356	91
Houghton	805	28	14	16	12	2	1	169	126	23	317	97
Iron	1,627	113	172	48	46	5	1	565	218	29	338	92
Keweenaw	57	–	X	–	–	–	–	14	10	2	25	6
Marquette	2,522	384	47	93	84	10	7	830	311	35	503	218
Ontonagon	1,501	27	3	2	2	–	–	748	116	32	393	178
Total	9,894	873	358	331	237	31	20	3,687	1,031	176	2,307	843
N. LOWER PENINSULA												
Alcona	508	55	–	–	–	–	–	355	30	28	22	18
Alpena	224	3	–	–	–	–	–	186	13	4	10	8
Antrim	130	4	–	–	–	–	–	43	18	1	57	7
Arenac	77	1	–	–	–	–	–	70	2	–	3	1
Bay	2	–	–	–	–	–	–	2	–	–	–	–
Benzie	220	1	–	–	–	–	–	94	7	16	76	26
Charlevoix	18	X	–	–	–	–	–	11	2	X	3	2
Cheboygan	638	47	5	13	4	–	2	359	61	4	129	14
Clare	445	2	–	–	–	–	–	291	10	43	77	22
Crawford	596	296	X	1	X	–	X	184	13	50	47	5
Emmet	69	14	–	–	–	–	–	42	3	–	9	1
Gladwin	111	1	–	–	–	–	–	93	3	4	8	2
Grand Traverse	181	43	–	–	–	–	–	80	3	14	33	8
Iosco	116	2	X	–	X	–	–	71	20	6	11	6
Isabella	183	X	–	–	–	–	–	172	1	4	4	2
Kalkaska	337	58	X	X	–	–	X	160	10	27	66	16
Lake	693	65	–	–	–	–	–	281	14	146	124	63
Manistee	168	8	–	–	–	–	–	70	3	37	26	24
Mason	344	2	–	–	–	–	–	208	10	60	45	19
Mecosta	257	2	–	–	–	–	–	213	4	18	15	5
Midland	149	–	–	–	–	–	–	97	7	11	26	8
Missaukee	486	23	–	–	–	–	–	279	14	61	82	27
Montmorency	403	60	–	–	–	–	–	241	33	29	30	10
Newaygo	304	–	–	–	–	–	–	138	3	128	20	15
Oceana	151	–	–	–	–	–	–	72	1	49	24	5
Ogemaw	246	53	–	–	–	–	–	144	13	18	15	3
Osceola	418	8	–	–	–	–	–	269	16	40	60	25
Oscoda	466	135	–	–	–	–	–	194	27	64	38	8
Otsego	327	71	2	1	1	–	X	128	32	X	85	7
Presque Isle	402	31	8	5	11	–	1	225	44	8	52	17
Roscommon	319	97	–	–	–	–	–	184	3	24	9	2
Wexford	365	49	–	–	–	–	–	192	11	33	55	25
Total	9,353	1,131	15	20	16	–	3	5,148	431	927	1,261	401
S. LOWER PENINSULA												
Allegan	76	–	–	–	–	–	–	9	–	48	19	X
Barry	13	–	–	–	–	–	–	7	X	6	X	X
Branch	5	–	–	–	–	–	–	–	–	3	2	–
Calhoun	X	–	–	–	–	–	–	–	X	–	–	–
Cass	20	–	–	–	–	–	–	–	–	13	7	–
Gratiot	1	–	–	–	–	–	–	1	–	–	–	–
Kalamazoo	2	–	–	–	–	–	–	–	–	2	–	–
Kent	16	–	–	–	–	–	–	10	–	4	1	1
Montcalm	74	X	–	–	–	–	–	34	X	25	14	1
Muskegon	184	1	–	–	–	–	–	40	X	119	12	12
Ottawa	31	–	–	–	–	–	–	15	X	14	1	1
St. Joseph	14	–	–	–	–	–	–	–	–	9	5	–
Van Buren	19	–	–	–	–	–	–	–	–	12	7	–
Total	455	1	–	–	–	–	–	116	X	255	68	15
STATE TOTAL	27,174	2,995	660	865	560	81	63	11,153	2,282	1,430	5,000	2,085

(Table 1 continued on next page)

(Table 1 continued)

WISCONSIN

Unit 1/ and county	All species	Pine	Spruce	Balsam fir	Hemlock	Tamarack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
NORTHEAST												
Florence	764	83	21	48	26	2	X	350	105	10	93	26
Forest	1,218	115	56	63	16	7	–	370	149	35	304	103
Langlade	1,257	94	10	25	9	2	–	592	144	32	267	82
Lincoln	926	57	13	31	5	6	–	467	85	18	170	74
Marinette	1,876	380	34	56	9	12	X	672	250	30	352	81
Menominee	529	74	X	3	215	–	X	118	17	5	79	18
Oconto	600	150	X	6	1	X	–	253	78	8	85	19
Oneida	1,800	309	58	86	26	9	–	667	215	38	286	106
Shawano	315	70	X	X	8	–	–	64	48	8	97	20
Vilas	1,463	189	125	55	9	1	–	538	273	23	185	65
Total	10,748	1,521	317	373	324	39	X	4,091	1,364	207	1,918	594
NORTHWEST												
Ashland	872	115	48	38	3	7	–	211	144	26	217	63
Barron	289	12	3	–	–	X	–	230	26	1	14	3
Bayfield	1,706	266	1	26	–	–	–	967	219	13	160	54
Burnett	678	284	–	–	–	–	–	346	26	2	17	3
Douglas	1,321	444	10	89	–	X	–	523	145	3	89	18
Iron	885	5	4	8	2	–	–	544	102	14	161	45
Polk	97	5	–	–	–	–	–	86	1	X	3	2
Price	1,344	76	36	50	10	9	–	523	201	36	295	108
Rusk	595	35	5	1	1	5	–	290	80	15	125	38
Sawyer	1,642	97	20	22	6	10	–	730	277	43	339	98
Taylor	944	67	26	35	16	8	–	307	123	21	229	112
Washburn	892	214	2	2	–	–	–	438	145	7	65	19
Total	11,265	1,620	155	271	38	39	–	5,195	1,489	181	1,714	563
CENTRAL												
Adams	715	507	X	4	–	1	–	120	14	24	36	9
Chippewa	448	48	2	1	1	3	–	210	52	12	93	26
Clark	718	84	X	–	–	–	–	296	93	23	169	53
Eau Claire	233	45	–	–	–	X	–	66	70	3	37	12
Jackson	761	422	1	–	–	X	–	163	38	42	80	15
Juneau	436	341	–	–	–	–	–	11	15	34	27	8
Marathon	761	83	3	6	12	X	–	316	67	13	181	80
Marquette	203	157	X	X	–	X	–	3	12	4	21	6
Monroe	231	162	2	–	–	X	–	17	14	8	21	7
Portage	372	156	X	1	2	1	–	80	26	9	68	29
Waupaca	200	112	–	X	1	X	–	42	4	2	33	6
Waushara	374	324	X	–	–	1	–	13	5	9	18	4
Wood	496	174	2	–	–	1	–	171	35	15	79	19
Total	5,948	2,615	10	12	16	7	–	1,508	445	198	863	274
SOUTHWEST												
Buffalo	7	7	–	–	–	–	–	X	X	–	X	X
Crawford	92	1	–	–	–	–	–	66	1	X	14	10
Dunn	139	84	–	–	X	–	–	43	4	1	6	1
Grant	6	6	–	–	–	–	–	–	–	–	–	–
Iowa	22	22	–	–	–	–	–	–	X	X	X	X
Lacrosse	19	18	X	–	–	–	–	X	X	X	1	X
Lafayette	X	–	–	–	X	–	–	–	–	–	–	–
Pepin	6	6	–	–	–	–	–	X	X	X	X	X
Pierce	8	6	1	X	–	–	–	1	X	X	X	X
Richland	10	10	–	–	–	–	–	–	–	–	–	–
St. Croix	88	54	–	–	–	–	–	33	X	–	1	X
Sauk	71	70	–	X	X	–	–	1	X	X	X	X
Trempealeau	62	55	–	–	–	–	–	–	2	1	3	1
Total	530	339	1	X	X	–	–	144	7	2	25	12
SOUTHEAST												
Brown	5	3	–	–	–	–	–	1	–	–	1	–
Calumet	2	X	–	–	–	–	–	–	–	–	1	1
Columbia	63	58	X	–	–	–	–	–	2	X	3	X
Door	1	1	–	–	X	–	–	X	–	–	–	–
Fond Du Lac	4	2	–	–	–	–	–	–	1	X	1	X
Green	2	2	–	–	–	–	–	–	–	–	–	–
Green Lake	4	4	–	–	–	–	–	–	–	–	X	X
Jefferson	X	X	–	–	–	–	–	–	X	X	X	X
Kewaunee	X	X	–	–	–	–	–	–	–	–	–	–
Manitowoc	8	2	–	X	X	–	–	–	–	2	2	2
Milwaukee	X	X	–	–	–	–	–	–	–	–	–	–
Outagamie	41	4	–	–	–	–	–	22	X	1	12	2
Ozaukee	X	X	–	–	–	–	–	–	–	–	–	–
Racine	X	X	–	–	–	–	–	–	–	–	–	–
Sheboygan	8	8	–	–	–	–	–	–	–	–	–	–
Waukesha	16	16	–	–	–	–	–	–	–	–	–	–
Winnebago	1	X	–	–	–	–	–	–	X	X	1	X
Total	155	100	X	X	X	–	–	23	3	3	21	5
STATE TOTAL	28,646	6,195	483	656	378	85	X	10,961	3,308	591	4,541	1,448
TOTAL LAKE STATES	78,590	10,566	2,939	3,495	938	209	107	38,694	5,817	2,021	9,738	4,066

1/ Includes only those counties that supplied pulpwood in 1990.
X=Less than 50 cords.